

Summary of ECS Rel.B.0 Mandatory Metadata Attributes

Mandatory metadata attributes at the COLLECTION level

For every ESDT (Minimal, Limited, Intermediate, Full):

One and only one of each:

1. ShortName
2. VersionID
3. LongName
4. CollectionDescription
5. ArchiveCenter
6. RevisionDate
7. VersionDescription

For Limited level COLLECTION metadata coverage in addition to the above:

At least one of each:

1. ECSDisciplineKeyword
2. ECSTopicKeyword
3. ECSTermKeyword
4. ECSVariableKeyword

Items 5-6 apply to Contact Organization, of which there must be at least one

5. ContactOrganizationName
6. Role

For Intermediate level COLLECTION metadata coverage in addition to the above:

One and only one of each:

1. CollectionState
2. MaintenanceandUpdateFrequency
3. TimeType
4. DateType
5. TemporalRangeType
6. PrecisionofSeconds
7. EndsatPresentFlag

8. One and only one of the following set:

- 8.1. TimeofDay

8.2. CalendarDate

- OR -

9. One and only one of the following set:

9.1. RangeBeginningTime

9.2. RangeBeginningDate

9.3. RangeEndingTime

9.4. RangeEndingDate

- OR -

10. One and only one of the following set:

10.1. Period1stDate

10.2. Period1stTime

10.3. PeriodCycleDurationUnit

10.4. PeriodCycleDurationValue

10.5. PeriodDurationUnit

10.6. PeriodDurationValue

10.7. PeriodName

- OR -

11. One and only one of the following set:

11.1. MultipleDateName

Along with at least two sets of:

11.2. TimeofDay

11.3. CalendarDate

One and only one of:

12. SpatialCoverageType

13. One and only one of the following set:

13.1. WestBoundingCoordinate

13.2. NorthBoundingCoordinate

13.3. EastBoundingCoordinate

13.4. SouthBoundingCoordinate

- OR -

14. One and only one of the following set:

- 14.1. PointLatitude
- 14.2. PointLongitude

- OR -

15. One and only one of the following set:

- 15.1. CenterLatitude
- 15.2. CenterLongitude
- 15.3. RadiusValue
- 15.4. RadiusUnits

- OR -

16. At least one of the following set:

- 16.1. ExclusionGRingFlag
- Along with at least three sets of:
- 16.2. GRingPointLatitude
 - 16.3. GRingPointLongitude
 - 16.4. GRingPointSequenceNo

For Full level COLLECTION metadata coverage in addition to the above:

One and only one of each:

- 1. ProcessingLevelID
- 2. ProcessingLevelDescription

Mandatory metadata attributes at the GRANULE level:

For every ESDT (Minimal, Limited, Intermediate, Full):

One and only one of each:

- 1. ShortName
- 2. VersionID

For Intermediate and Full level GRANULE metadata coverage in addition to the above:

One and only one of each:

- 1. SizeMBECSDDataGranule
- 2. ProductionDateTime